

10/621,412

\* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* STN Columbus \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*

FILE 'HOME' ENTERED AT 09:10:44 ON 04 DEC 2006

=> file biosis medline caplus wpids uspatfull  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
FULL ESTIMATED COST ENTRY SESSION  
0.84 0.84

FILE 'BIOSIS' ENTERED AT 09:13:19 ON 04 DEC 2006

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FILE 'USPATFULL' ENTERED AT 09:13:19 ON 04 DEC 2006  
CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

\*\*\* YOU HAVE NEW MAIL \*\*\*

=> s separat? (4a) rna  
L1 9830 SEPARAT? (4A) RNA  
  
=> s l1 and adsorb?  
L2 1696 L1 AND ADSORB?  
  
=> s l2 and desorb?  
L3 111 L2 AND DESORB?  
  
=> s l3 and acetylcellulose  
L4 2 L3 AND ACETYLCELLULOSE  
  
=> dup rem l4  
PROCESSING COMPLETED FOR L4  
L5 2 DUP REM L4 (0 DUPLICATES REMOVED)

=> d 15 bib abs 1-2

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:1075898 CAPLUS  
DN 143:342236  
TI Method for selectively separating and purifying RNA  
from mixture of nucleic acids  
IN Inomata, Hiroko; Hando, Rie  
PA Fuji Photo Film Co., Ltd., Japan  
SO PCT Int. Appl., 75 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005093052	A1	20051006	WO 2005-JP6423	20050325
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK,				

LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO,  
NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY,  
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,  
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,  
EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,  
RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,  
MR, NE, SN, TD, TG

JP 2006271201 A2 20061012 JP 2005-80040 20050318  
JP 2006238854 A2 20060914 JP 2005-82283 20050322  
PRAI JP 2004-91681 A 20040326  
JP 2004-92000 A 20040326  
JP 2004-225286 A 20040802  
JP 2005-27918 A 20050203  
JP 2005-29177 A 20050204  
JP 2005-59057 A 20050303  
JP 2005-80040 A 20050318  
JP 2005-82283 A 20050322

AB A method for selectively separating and purifying RNA from a mixture solution of nucleic acid containing DNA and RNA is provided. The method comprises the steps of adsorbing nucleic acid, washing, subjecting to a DNase treatment, washing and desorbing the RNA from a nucleic acid-adsorbing porous membrane by a recovering solution, wherein a total amount of a DNase solution is 130 mL or less per 1 cm<sup>2</sup> of the membrane. The washing solution contains a water-soluble organic solvent having a concentration of 50% by weight or less, and does not contain a chaotropic salt. Also part of the apparatus are a container, and a device for creating pressure gradient such pump. Purification of DNA by adsorption on 100% surface saponified acetyl cellulose is described.

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 2 USPATFULL on STN  
AN 2004:76592 USPATFULL  
TI Method for separating and purifying a nucleic acid  
IN Mori, Toshihiro, Asaka-shi, JAPAN  
Makino, Yoshihiko, Asaka-shi, JAPAN  
PI US 2004058370 A1 20040325  
AI US 2003-621412 A1 20030718 (10)  
PRAI JP 2002-210833 20020719  
DT Utility  
FS APPLICATION  
LREP BIRCH STEWART KOLASCH & BIRCH, PO BOX 747, FALLS CHURCH, VA, 22040-0747  
CLMN Number of Claims: 18  
ECL Exemplary Claim: 1  
DRWN 3 Drawing Page(s)  
LN.CNT 951

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An object of the present invention is to provide a method for separating and purifying a nucleic acid by adsorbing the nucleic acid in a test sample to a surface of a solid phase and desorbing the nucleic acid by washing and the like. The present invention provides a method for separating and purifying RNA from a nucleic acid mixture, comprising a step of: adsorbing and desorbing a nucleic acid in the nucleic acid mixture containing RNA and DNA to and from a solid phase of an organic macromolecule.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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